DOW

Contains No CBI

8EHQ-0893-12199

The Dow Chemical Company
Midland, Michigan 48674

2030 DOW CENTER
August 31, 1993

A

CERTIFIED MAIL--RETURN RECEIPT REQUESTED

93 SEP -3 PM 1:50

Document Processing Center (TS-790)
Office of Toxic Substances
U.S. Environmental Protection Agency
401 M Street, SW
Washington, D.C. 20460
Attn: 8(e) Coordinator

Re: Diethylene Triamine (DETA)

Dear Sir/Madam:

The following information is being submitted by The Dow Chemical Company (Dow) pursuant to current guidance issued by EPA indicating EPA's interpretation of Section 8(e) of the Toxic Substance Control Act. Dow has made no determination as to whether a significant risk of injury to health or the environment is actually presented by the findings.

The preliminary results of a non-definitive, reproductive screen (OECD Guideline 421) have been communicated to Dow by a foreign subsidiary. The screen was conducted using Wistar rats. The animals received doses at 0, 30, 100 and 300 mg/kg/day via oral gavage. The preliminary results indicated a decrease in food consumption and decreased body weight gain in both parental males and females at the 300 mg/kg/day dose. Also, at the 300 mg/kg/day dose, the results indicated a decreased litter size, increased post-implantation loss and an increase in the length of gestation. At the 100 mg/kg/day dose, an increase in the length of gestation and a non-statistically significant increase in the post-implantation loss were observed. The statistically significant increase in the length of gestation observed at the 100 and 300 mg/kg/day doses may have been spurious as the length of gestation in these two groups of animals was within the range considered normal (21-22 days). No significant parental or reproductive/developmental effects were observed at the 30 mg/kg/day dose.

No histpathologic evaluation or report is available at this time.

Sincerely,

Paul A. Wright

Paul A. Wright
Senior Attorney
Legal Department
517/636-1853

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

Paul A. Wright
Attorney, Legal Department
The Dow Chemical Company
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OFFICE OF
PESTICIDES AND TOXIC
SUBSTANCES

JAN 18 1994

This letter formally acknowledges EPA's receipt of information submitted by your organization under Section 8(e), the "substantial risk" information reporting provision of the Toxic Substances Control Act (TSCA). For your reference, copies of the first page(s) of your submission(s) are enclosed and display the TSCA Section 8(e) Document Control Number (i.e., 8EHQ-0000-0000 Init.) assigned by EPA to your submission(s). Please refer to this cited number when submitting follow-up or supplemental information.

Please note that all submitted correspondence will be placed in the public files unless confidentiality is claimed according to the procedures outlined in Part X of EPA's TSCA Section 8(e) policy statement (43 FR 11110, March 16, 1978).

Confidential submissions submitted pursuant to the TSCA Section 8(e) Compliance Audit Program (CAP) should already contain information supporting confidentiality claims, because substantiation of CBI claims is required at the same time the 8(e) CAP is submitted to EPA. (If not done so already, please ensure that this information is provided to the Agency). When substantiating any/all claims, answer the questions detailed in the following attachment.

For NON-CAP submissions, any confidentiality claims should be supported by submission of information as described in the attachment(s).

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CECATS DATA:
Submission # 8EHQ-0893-12199 SEQ. A

TYPE: INT. SUPP FLWP

SUBMITTER NAME: Dow Chemical Company

SUB. DATE: 08/31/93 OTS DATE: 09/03/93 CSRAD DATE: 09/22/93

INFORMATION REQUESTED: FLWP DATE:
0501 NO INFO REQUESTED
0502 INFO REQUESTED (TECH)
0503 INFO REQUESTED (VOL ACTIONS)
0504 INFO REQUESTED (REPORTING RATIONALE)

DISPOSITION:
(9_3) REFER TO CHEMICAL SCREENING
0678 CAP NOTICE

VOLUNTARY ACTIONS:
(0401) NO ACTION REPORTED
0402 STUDIES PLANNED/UNDERWAY
0403 NOTIFICATION OF WORKERS/OTHERS
0404 LABEL/MSDS CHANGES
0405 PROCESS/HANDLING CHANGES
0406 APP./USE DISCONTINUED
0407 PRODUCTION DISCONTINUED
0408 CONFIDENTIAL

CHEMICAL NAME:
Diethylene Triamine

CAS#
111-40-0

INFORMATION TYPE:		P	F	C
0201	ONCO (HUMAN)	01	02	04
0202	ONCO (ANIMAL)	01	02	04
0203	CELL TRANS (IN VITRO)	01	02	04
0204	MUTA (IN VITRO)	01	02	04
0205	MUTA (IN VIVO)	01	02	04
0206	REPRO/TERATO (HUMAN)	01	02	04
(0207)	REPRO/TERATO (ANIMAL)	(01)	02	04
0208	NEURO (HUMAN)	01	02	04
0209	NEURO (ANIMAL)	01	02	04
0210	ACUTE TOX. (HUMAN)	01	02	04
0211	CHR. TOX. (HUMAN)	01	02	04
0212	ACUTE TOX. (ANIMAL)	01	02	04
0213	SUB ACUTE TOX (ANIMAL)	01	02	04
0214	SUB CHRONIC TOX (ANIMAL)	01	02	04
0215	CHRONIC TOX (ANIMAL)	01	02	04

INFORMATION TYPE:		P	F	C
0216	EPI/CLIN	01	02	04
0217	HUMAN EXPOS (PROD CONTAM)	01	02	04
0218	HUMAN EXPOS (ACCIDENTAL)	01	02	04
0219	HUMAN EXPOS (MONITORING)	01	02	04
0220	BOD/AQUA TOX	01	02	04
0221	ENV. OCCC/REL/FATE	01	02	04
0222	EMER INCI OF ENV CONTAM	01	02	04
0223	RESPONSE REQEST DELAY	01	02	04
0224	PROD/COMP/CHEM ID	01	02	04
0225	REPORTING RATIONALE	01	02	04
0226	CONFIDENTIAL	01	02	04
0227	ALLERG (HUMAN)	01	02	04
0228	ALLERG (ANIMAL)	01	02	04
0239	METAB/PHARMACO (ANIMAL)	01	02	04
0240	METAB/PHARMACO (HUMAN)	01	02	04

INFORMATION TYPE:		P	F	C
0241	IMMUNO (ANIMAL)	01	02	04
0242	IMMUNO (HUMAN)	01	02	04
0243	CHEM/PHYS PROP	01	02	04
0244	CLASTO (IN VITRO)	01	02	04
0245	CLASTO (ANIMAL)	01	02	04
0246	CLASTO (HUMAN)	01	02	04
0247	DNA DAM/REPAIR	01	02	04
0248	PROD/USE/PROC	01	02	04
0251	MSDS	01	02	04
0299	OTHER	01	02	04

TRIAGE DATA:

NON-CBI INVENTORY
(YES (CONTINUE))
NO (DROP)
~~DETERMINE~~

ONGOING REVIEW
YES (DROP/REFER.)
NO (CONTINUE)
REFER:

SPECIES
RAT

TOXICOLOGICAL CONCERN:
LOW
MED M - study not complete effects at 300 mg/kg & perhaps at 100 mg/kg
HIGH

USE:

PRODUCTION:

COMMENTS: Non-CAP